

Receiving Report

Date: 11/4/13

Batch No: 1117392

Supplier: THYSSERAPPA

Dart P/O: 13762

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection 11/4/13 N/A ☒
 Work Order N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

[Signature]

Production/Admin: 11/4/13
 Date
 Received/Costing
 Initial

Location

Wednesday, April 13, 2011 9:01:46 AM

All amounts are calculated in domestic currency.

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty/ (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO13762	2		M606IT6T3.500W.3 f 75		4/8/2011	4/13/2011	12.0000	\$12.62	0.0000	0	\$151.38
CAD	No		6061-T6 RD Tube 3.50 X .375 W 117392	f	12.0000	DESJ02		\$151.38	0.0000	0	
	6		M2024T3S.063	sf	4/8/2011	4/13/2011	288.0000	\$4.35	0.0000	0	\$1,251.88
	No		2024-T3 .063 sheet 117392	sf	288.0000	DESJ02		\$1,251.88	0.0000	0	
	7		M2024T3S.080	sf	4/8/2011	4/13/2011	96.0000	\$6.35	0.0000	0	\$609.99
	No		2024-T3 .080 sheet 117392	sf	96.0000	DESJ02		\$609.99	0.0000	0	
Total Received Quantity:											396.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$2,013.25
Total Balance Due Quantity:											0.0000

B I L L O F L A D I N G

No: PEC 705981

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 13Apr11 at 15:38 From PFW
Probill
Via VIM TRANSFER TRUCK
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-317375- 3 Your PO # 13762
ALUMINUM TUBE 6061-T6511
3.50" OD x .375" WALL X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
20726004	487172	12 FT	1	51

TOTAL:	Tags	PCS	LBS
	1	1	51

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

BACK ORDER FROM OUR PREVIOUS B/L# 705512

TOTAL 1 BDL GW. 71 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 1 Last

1 planche Mc

Paul 7/1/3

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN-BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

13/4/11 DATE

B I L L O F L A D I N G

No: PEC 705512

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 08Apr11 at 14:44 From PFW
 Probill
 Via VIM TRANSFER TRUCK
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

2 Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-317375- 1 Your PO # 13762
 Part # 4-6 DAYS A.R.O Rel #
 ALUMINUM SHEET 2024 -T3
 .0640 Nom X 48.0000" X 144.0000"
 Heat Number Tag No
 175027 182717

Quantity PCS Wt LBS
 288.00 SFT 6 261

2) Our Order PEC-317375- 2 Your PO # 13762
 Part # 4-6 DAYS A.R.O Rel #
 ALUMINUM SHEET 2024 -T3
 .0810 Nom X 48.0000" X 144.0000"
 Heat Number Tag No
 201115 182242

Quantity PCS Wt LBS
 96.00 SFT 2 111

3) Our Order PEC-317375- 3 Your PO # 13762
 ALUMINUM TUBE 6061-T6511
 3.50" OD x .375" WALL X 144.0000"
 THIS ITEM IS BACK ORDERED

TOTAL: Tags 2 PCS 8 LBS 372

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 2 SKIDS G.W. 571 LBS

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 705512
Ship Date 08Apr11 at 14:44 From PFW
Probill
Via VIM TRANSFER TRUCK
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle: Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

2 Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

ITEM (1) SKID
ITEM (2) SKID

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

No: PEC 705512

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 08Apr11 at 14:44 From PFW
Probill
Via VIM TRANSFER TRUCK
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

ITEM (1) SKID
ITEM (2) SKID

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001



Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

COPPER & BRASS SALES INC
ATTN: ACCOUNTS PAYABLE
P.O. BOX 5116

SOUTHFIELD, MI - 48086

Ship To Customer

COPPER & BRASS SALES INC
8001 THYSSENKRUPP PARKWAY

NORTHWOOD, OH - 43619

Certified Inspection Report

Sales Order Number		Line No.	Customer P/O	Cert Number	Page
1100309652		4	5400097961-40	SAPA371777	1 of 2
				Cert Creation Date	Cert Print Date
				03-APR-11	03-APR-11

Quantity Shipped	Date Shipped	Item Description	Specification
1136 LB	03-APR-11	Extruded Structural Tube 3.500 OD x .ID 0.375 WALL	ASTMB221 REV 08 AMS-QQ-A-200/8 REV ASTMB429 REV 10
B/L	Item No.	144.000 INLN FIN M-MILL	
214808	G03382440	W/F 4.33 F 04 CS 3.5 6061/T6511	
Delivery Id	Item No. Rev	Marking CONTINUOUS	
4194455	--		
Customer Part No.			
ALTUB00078			

Applicable Specifications, Revisions and Exceptions

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Dave A Lukasak

Tech/Quality Manager

03-APR-11

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG1420330	20726004	11	PCS	578	568
G12-PKG1420331	20726004	11	PCS	578	568

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35	---	0.25

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Sapa Industrial Extrusions
53 POTTSVILLE STREET
--
CRESSONA, PA
17929-0187

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1100309652	4	5400097961-40	SAPA371777	Page 2 of 2
			Cert Creation Date	Cert Print Date
			03-APR-11	03-APR-11

Alloy	Ti		Bi		Pb		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	---	0.15	---	0.05	---	0.05	---	0.05	---	0.15

Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb	Others Each	Others Total
5025723	0.66	0.23	0.23	0.03	0.91	0.06	0.03	0.02	--	--	--	--

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Test			--		--		--	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	20726004	1	45.1	45.1	42.2	42.2	15.0	15.0

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6262 alloy

In accordance with EN 10204, Test Report Type 2.2 and Certificate Type 3.1

Melted in the USA or Other Qualified Countries as Defined by DFARS 225.872.1

Made in USA

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE
ALUMINUM SHEET 2024-T3
B640 Nano X 48 0000 X144 0000
PART NO. 4-6 DAYS A.R.O

PO Ref 13762
We certify that this is a true copy of the report
furnished by the producer of the metal or item
resulting from tests made in approved labs

13 April
Pg. 1/5

BLPEC 706512-001

Signed by:

Am:

A company
of ThyssenKrupp
Services

ThyssenKrupp Materials NA Inc.

ThyssenKrupp Materials NA
Copper and Brass Sales Division
West 11 Mile Road 22355
48033 Southfield
Tel.: 2482335700 Fax: 2482335888



Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer Part
MTR header	MTR type	Search criteria	Heat lot
81A/1400574743	000030	000010	2024 Aluminum - T3 Aluminum Sheet 0.0630
VIM-59677	27.08.2010	1.000 ST	
Att_001.PDF	NCAF	930070903220100001	175027



Delivery number
2400888248
Date
08.09.2010

29 ewell

VIMETAL PECKOVER
CONCORD
CANADA

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE

PO/Ref 13762

BL PEC-705512-001

13Apr11

ALUMINUM SHEET 2024-T3

.0640 Nom X 48.0000" X 144.0000"

PART NO. 4-6 DAYS A.R.O.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Am:

Pg 2/5

Aleris Aluminum Koblenz GmbH
Koblenz/Deutschland



Aleris
Europe

AMENDED TEST CERT

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0977813

SERIAL-NO.:

PAGE: 1 / 4

PURCHASER:

CONSIGNEE:



ORDER NO. PURCHASER:

US-AIRCR.DEPOT-PROG/

PART NO. PURCHASER:

ORDER NO. MANUFACTURER/ITEM: 81495 / 02

PRODUCT:

COIL

SPECIFICATION:

AMS4037+B209+QQ250/4

ALLOY/TEMPER:

BARE 2024-T3

DIMENSION:

0.063 x 48.00 x 0.00

INS

PCS.

GROSS KG

NET KG

PACK-NO

LOT-NO

3

3.945

175027

C/B Part #
ALFLR01583

WT-TQ-QS 07/08

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 2024-T3

.0640 Nom X .48.0000" X 144.0000"

PART NO. 4-6 DAYS A.R.O

PO/Ref 13762

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC 705512.001

13Apr11

Signed by:

Pg 3/5

Ann:

Aleris Aluminum Koblenz GmbH

Koblenz/Deutschland



Aleris
Europe

AMENDED TEST CERT

INSPECTION CERTIFICATE (EN 10204/S.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0977813

LOT: 175027

PAGE: 2 / 4

RESULTS:

Mechanical properties:

	Spec. No.	Y.S.	U.T.S.	E1.
		KSI	KSI	%
Min. LT:		42,0	63,0	15,0
Max. LT:				
	001	45,7	67,7	21,0
	002	45,0	67,7	21,5
	003	45,1	67,0	21,3
	004	44,8	68,3	20,8
	005	45,0	67,2	20,7

Chemical composition: in % , remainder Al

Cast No.: 5-05-3002

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B
0,057	0,094	4,470	0,622	1,408	0,001	0,061	0,0304	0,0005
Zr	Pb	Ni	Sn	Se	Na	Li	V	H2 (*)
0,0023	0,0010	0,0045	0,0045	0,0000	0,0000	0,0000	0,0084	0,04
Al	Tl	Ti+Zr	Cu/Mg	Fe/Si				
		0,033	3,174					

(*) = H2 in ml/100 g AL

Other tests:

Dimensional check: OK
Surface control: OK

Normative references:

LEGIERUNGSNORM/CHEMICAL COMPOSITION STANDARD/COMPOSITION CHIMIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998
FESTIGKEITSNORM/MECH. PROP.STANDARD/CARACTERISTIQUE MECANIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998
ABMESSNORM/DIMENSIONAL TOLERANCE STAN./NORME TOLERANCES
AMS 2202N+ANSI H35.2 2006
BESTELLNORM/SPECIFICATION/NORME
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998

WT-TD-05 07/08

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 2024-T3

.0640 Nom X .48.0000" X 144.0000"

PART NO. 4-6 DAYS A.R.O

PO/Ref 13762

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-70SS12401

13Apr11

Signed by:

Pg 4/5

Ann

Aleris Aluminium Koblenz GmbH

Koblenz/Deutschland



Aleris
Europe

AMENDED TEST CERT

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0977813

LOT: 175027

PAGE: 3 / 4

Bend test:

L-direction

LT-direction OK

ST-direction

WT-TQ-DS 07/03

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 2024-T3
0640 Nom X 48.0000" X 144.0000"
PART NO. 4-6 DAYS A.R.O

PO/Ref 13762

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-708512-001

13Apr11

Pg 5/5

Signed by:

Att:

Aleris Aluminum Koblenz GmbH

Koblenz/Deutschland



Aleris
Europe

AMENDED TEST CERT

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0977813

PAGE: 4 / 4

5/5

Remarks:

MATERIAL ALSO FULFILLS THE REQUIREMENTS OF ASTM B209-07, EXCEPT MARKINGS.

1. SUPPLEMENT: ASTM B209-07 ADDED

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN
MANUFACTURED, INSPECTED, TESTED AND UNLESS OTHERWISE STATED CONFORM IN
ALL RESPECTS TO THE RELEVANT SPECIFICATIONS, DRAWINGS AND CONTRACT/ORDER.
WE CONFIRM, THAT QUALITY MANAGEMENT SYSTEM OF ALERIS ALUMINUM KOBLENZ GMBH
IS IN ACCORDANCE WITH DIN EN ISO 9001 AND EN 9100 IN THE RELEVANT VALID
VERSION AND CERTIFIED BY AN ACCREDITED 3RD PARTY.

MADE IN THE FEDERAL REPUBLIC OF GERMANY

Enclosures:

WT-TQ-018 07/08

Koblenz, the 30.07.10 SW

P. Gardiner
Patrick Gardiner
Quality assurance

Aleris Aluminum
Koblenz GmbH



INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0273620 SERIAL-NO.: PAGE: 1 / 03
PURCHASER: ORDER NO. PURCH.: US-AIRCR.DEPOT-PROG/
ORDER NO. MAN.: 90413
SPEC.: AMS4037+B209+QQ250/4

CUSTOMER PART NO.:
ITEM: 01 LOT: 201115 ALLOY/TEMPER: 2024 T3 PRODUCT: COIL
QUANTITY: 145 DIMENSIONS: 0.080 x 48.00 x 144.00 INS

RESULTS:

Mechanical properties:

Pl. No.	Spec. No.	Y.S.	U.T.S.	El.
		KSI	KSI	%
Min. LT:		42,0	63,0	15,0
Max. LT:				
1 A		45,1	67,6	20,4
2 A		45,1	67,6	22,5
3 A		45,1	67,7	21,6
4 A		45,1	66,7	20,4
5 A		45,4	67,0	21,6

Chemical composition: in %, remainder Al Cast No.: 4-06-5414

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B
0,036	0,089	4,540	0,608	1,450	0,002	0,062	0,0235	0,0006
Zr	Pb	Ni	Sn	Be	Na	Li	V	H2 (*)
0,0019	0,0015	0,0059	0,0047	0,0000	0,0000	0,0000	0,0078	0,08
Al	Tl	Ti+Zr	Cu/Mg	Fe/Si				
		0,025	3,130					

(*) = H2 in ml/100 g AL

Other tests:

Dimensional check: OK
Surface control: OK

Normative references:

LEGIERUNGSNORM/CHEMICAL COMPOSITION STANDARD/COMPOSITION CHIMIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998
FESTIGKEITSNORM/MECH. PROP.STANDARD/CARACTERISTIQUE MECANIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998
BESTELLNORM/SPECIFICATION/NORME
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

WT-TQ-QS-0107

Aleris Aluminum Koblenz GmbH
Postfach 10 03 31 56033 Koblenz/Deutschland



Aleris
Europe

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0273620

SERIAL-NO.:

PAGE: 2 / 03

PURCHASER:

ORDER NO. PURCH.: US-AIRCR.DEPOT-PROG/

ORDER NO. MAN.: 90413

SPEC.:

AMS4037+B209+Q2250/4

CUSTOMER PART NO.:

ITEM: 01 LOT: 201115 ALLOY/TEMPER: 2024 T3

PRODUCT: COIL

QUANTITY: 145 DIMENSIONS: 0.080 x 48.00 x 144.00 INS

Band test:

L-direction

LT-direction OK

ST-direction

WT-TQ-QS 01/07

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

Aleris Aluminum Koblenz GmbH
Postfach 10 03 31 56033 Koblenz/Deutschland



Aleris
Europe

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 0273620

SERIAL-NO.:

PAGE: 3 / 03

PURCHASER:

ORDER NO. PURCH.: US-AIRCR.DEPOT-PROG/

ORDER NO. MAN.: 90413

SPEC.:

AMS4037+B209+QQ250/4

CUSTOMER PART NO.:

Remarks:

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN
INSPECTED, TESTED AND, UNLESS OTHERWISE STATED ABOVE, CONFORM IN ALL
RESPECTS WITH THE REQUIREMENTS OF THE SPECIFICATION, CONTRACT OR ORDER.

Enclosures:

Charleston Aluminum LLC
490 Frontage Rd
Gaston, SC 29053

WP-TO-QS 01A7

Koblenz, the 01.03.07 SW

P. Gardiner
Patrik Gardiner
Quality assurance

Aleris Aluminum
Koblenz GmbH



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13762

Purchase Order Date 3/31/2011

PO Print Date 3/31/2011

Page Number 1 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
4/1/03/31

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6A4.000W.250	6061T6 ANGLE 4.00 x 4.00 x .250	4/8/2011	✓ 20.00	Yours ppd	\$4.9450	\$98.90
			Yes	f			
		Special Inst: MATERIAL: 6061-T6/T6510T6511 ALUMINUM ANGLE AS PER AMS-QQ-A-200/8					
2	M6061T6T3.500W.375	6061-T6 RD Tube 3.50 X .375 W	4/8/2011	1200	Yours ppd	\$12.6150	\$252.30
	0/4		Yes	f			
		Special Inst: MATERIAL: 6061-T6 OR 6061-T62 TUBING PER SEAMLESS TUBING AS PER WW-T-700/6 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8					
3	M6061T6S.080	6061-T6 .080 Sheet	4/8/2011	✓ 336.00	Yours ppd	\$3.4107	\$1,146.00
			Yes	sf			

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 3/31/2011



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13762

Purchase Order Date 3/31/2011

PO Print Date 3/31/2011

Page Number 2 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B206

4 M6061T6S.063 6061-T6 .063 Sheet 4/8/2011 336.00 Yours ppd \$2.6964 \$905.99
Yes sf

Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR
AMS 4025 OR AMS 4027 OR ASTM B206

5 M304S25GA 304/316 .020" Sheet 4/8/2011 32.00 Yours ppd \$2.6810 \$85.79
Yes sf

Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR
ASME SA240

6 M2024T3S.063 2024-T3 .063 sheet 4/8/2011 288.00 Yours ppd \$4.3468 \$1,251.88
Yes sf

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4
OR
AMS 4037 OR ASTM B209

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 3/31/2011



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13762

Purchase Order Date 3/31/2011

PO Print Date 3/31/2011

Page Number 3 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

7

M2024T3S.080

2024-T3 .080 sheet

4/8/2011

Yes

✓ 96.00

sf

Yours ppd

\$6.3541

\$609.99

Special Inst:

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4
OR
AMS 4037 OR ASTM B209

PO Total:

\$4,350.85

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr:

1

Change Date: 3/31/2011

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable